

**CLAIMS**

1. A disposable pad having:

an elongated absorbent pad element having a front side for contact with a body for receiving human excrements and an opposing rear side forming a pad backing;

5 a backing strip extending over at least part of the pad backing and detachably attached to the disposable pad;

a disposal bag mounted between the backing strip and the pad backing wherein the disposal bag is unobtrusively in place when the disposable pad is in use and readily accessible for enclosing the disposable bag after use for hygienic disposal.

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2. A disposable pad according to claim 1 wherein the pad is a sanitary pad.

3. A disposable pad according to claim 1 wherein the pad is a disposable nappy or diaper having a substantially "I" shape with a central elongated absorbent pad and cross  
15 bands at each end forming a waist band with attachment means to retain the disposable nappy or diaper on the baby or infant; and

wherein the disposal bag is sized to fit the disposable nappy or diaper after use.

4. A disposable pad according to claim 1, 2 or 3 wherein the backing strip extends  
20 along the length of the nappy over the disposal bag and where the backing strip forms part of the disposal bag.

5. A disposable pad according to any one of claims 1 to 4 wherein the backing strip is longer than the disposal bag structure with the added length acting as a readily  
25 handled tag.

6. A disposable pad according to claim 5 wherein the backing strip covers the bag and stored products.

30 7. A disposable pad according to claim 5 or 6 wherein the backing strip provides a continuous outer surface to minimise ridges and enables activation of the bag without

separate handling.

8. A disposable pad according to any one of the preceding claims and having a double action backing strip formed by a first part attached to the disposable pad forming a storage pouch to hold hygienic products and a second part separately attached to the disposable pad holding a disposal bag and wherein the storage pouch is opened by pulling on the backing strip to open the first part and release the hygienic products and by further pulling open the second part releasing the disposal bag for enclosing the used disposable pad for hygienic disposal.

9. A disposable pad according to claim 8 wherein the attachment of the first part is more frangible than the attachment of the second part to prevent accidental opening of the second part.

10. A disposable pad according to claim 8 or 9 wherein the first part includes a substantially non porous sealing panel having a frangible line covered by a sealing means to form a sealed pouch able to hold hygienic products in a substantially sealed form, wherein the sealing means can be removed to break the frangible line to open the sealed pouch for access to the hygienic products.

11. A disposable pad according to any one of the preceding claims and having a concertina folded disposal bag stored between the backing strip and the backing of the elongated pad with the concertina folded disposal bag having a height greater than its width in concertina folded mode and being positioned on the pad lengthways to allow maximising of bag volume.

12. A disposable pad according to claim 11 wherein at least a portion of the concertina folded disposal bag remains attached to the pad such that the disposal bag is inverted around the used disposable pad.

13. A disposable pad according to claim 11 or 12 wherein the concertina folded

disposal bag has an inversion of the top of the bag which in use can then be further pulled out to provide a larger volume bag for enveloping the disposable pad.

5 14. A disposable pad having:

an elongated absorbent pad element having a front side for contact with a body for receiving human excrements and an opposing rear side forming a pad backing;

a backing strip extending over at least part of the pad backing and detachably attached to the disposable pad;

10 a disposal bag mounted between the backing strip and the pad backing wherein the disposal bag is unobtrusively in place when the disposable pad is in use and readily accessible for enclosing the disposable bag after use for hygienic disposal

wherein the backing strip extends along the length of the nappy over the disposal bag and where the backing strip forms part of the disposal bag and wherein the backing strip is longer than the disposal bag structure with the added length acting as a readily handled tag, covers the bag and stored products and provides a continuous outer surface to minimise ridges and enables activation of the bag without separate handling;

the disposable pad further having:

20 a double action backing strip formed by a first part attached to the disposable pad forming a storage pouch holding a disposal bag and a second part separately attached to the disposable pad able to hold other hygienic products and wherein the storage pouch is opened by pulling on the backing strip to first open the second part and release the further hygienic products and by further pulling the bag structure is able to enclose the used disposable pad for hygienic disposal, wherein the attachment of the second part is more frangible than the attachment of the first part; and having

25 a longitudinally concertina folded disposal bag stored between the backing strip and the backing of the elongated pad with the concertina fold being inverted lengthways allowing connection at one narrow end with minimal part of disposal bag remaining connected to allow maximising of bag volume.

30 wherein the folded in bag prior to concertina has an inversion of the bag in operation reveals the fold which can then be further pulled out to provide a larger

volume bag for enveloping the disposable pad.

15. A disposable pad according to claim 14 wherein the pad is a sanitary pad.

5 16. A disposable pad according to claim 14 wherein the pad is a disposable nappy or diaper having a substantially "T" shape with a central elongated absorbent pad and cross bands at each end forming a waist band with attachment means to retain the disposable nappy or diaper on the baby or infant; and

wherein the disposal bag is sized to fit the disposable nappy or diaper after use.

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17. A disposable pad having:

an elongated absorbent pad element having a front side for contact with a body for receiving human excrements and an opposing rear side forming a pad backing;

15 a double action backing strip formed by a first part attached to the disposable pad forming a storage pouch holding a disposal bag and a second part separately attached to the disposable pad able to hold other hygienic products and wherein the storage pouch is opened by pulling on the backing strip to first open the second part and release the further hygienic products and by further pulling the bag structure is able to enclose the used disposable pad for hygienic disposal.

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18. A disposable pad having:

an elongated absorbent pad element having a front side for contact with a body for receiving human excrements and an opposing rear side forming a pad backing;

25 a backing strip extending over at least part of the pad backing and detachably attached to the disposable pad;

a longitudinally concertina folded disposal bag stored between the backing strip and the backing of the elongated pad bag wherein the disposal bag is unobtrusively in place when the disposable pad is in use and readily accessible for enclosing the disposable bag after use for hygienic disposal with the concertina fold being inverted  
30 lengthways allowing connection at one narrow end with minimal part of disposal bag remaining connected to allow maximising of bag volume.

19. A disposable pad having:

an elongated absorbent pad element having a front side for contact with a body for receiving human excrements and an opposing rear side forming a pad backing;

5 a backing strip extending over at least part of the pad backing and detachably attached to the disposable pad;

a disposal bag mounted between the backing strip and the pad backing wherein the disposal bag is unobtrusively in place when the disposable pad is in use and readily accessible for enclosing the disposable bag after use for hygienic disposal the disposal  
10 bag being a folded in bag such that an inversion of the bag in operation reveals the fold which can then be further pulled out to provide a larger volume bag for enveloping the disposable pad.

20. A disposable pad substantially as hereinbefore described with reference to the  
15 drawings.

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## AMENDED CLAIMS

[received by the International Bureau on 11 August 2003 (11.08.03);  
new claims 21 to 28 added;  
remaining claims unchanged (2 pages)]

21. A disposable pad having:  
an elongated absorbent pad element having a front side for contact with a body  
for receiving human excrements and an opposing rear side forming a pad backing;  
5 a backing strip extending over at least part of the pad backing and at least  
partially detachably attached to the disposable pad;  
a disposal bag mounted on the pad backing and released by the backing strip  
being at least partially detached the disposal bag having an enlarging opening when  
released wherein the disposal bag is unobtrusively in place when the disposable pad is  
10 in use and readily accessible and the opening enlarged for enveloping the disposable  
nappy after use for hygienic disposal.
22. A disposable pad according to claim 21 and having a double action backing  
strip formed by a first part of the backing strip attached to the disposable pad forming  
15 a sealed storage pouch to hold hygienic products hermetically and a second part of the  
same backing strip separately attached to the disposable pad and holding a disposal  
bag, wherein the storage pouch is opened by pulling on the backing strip to open the  
first part and release the hygienic products and by further pulling the backing strip  
open the second part releases the disposal bag for enclosing the used disposable pad  
20 for hygienic disposal.
23. A disposable pad according to claim 22 wherein the attachment of the first part  
is more frangible than the attachment of the second part to prevent accidental opening  
of the second part.
- 25 24. A disposable pad according to claim 21, 22 or 23 wherein the backing strip  
extends along the length of the nappy and forms an elongated side part of the disposal  
bag.
- 30 25. A disposable pad having:  
an elongated absorbent pad element having a front side for contact with a body  
for receiving human excrements and an opposing rear side forming a pad backing;  
a double action backing strip formed by a first part attached to the disposable  
pad forming a storage pouch to hold hygienic products and a second part attached to

the disposable pad to hold a disposal bag and wherein the storage pouch is opened by pulling on the backing strip to open the first part and release the hygienic products and by further pulling on the backing strip open the second part releasing the disposal bag for enclosing the used disposable pad for hygienic disposal;

- 5           the disposal bag mounted on the pad backing and having longitudinally concertina folds wherein the disposal bag is unobtrusively in place when the disposable pad is in use and releasable by the backing strip being at least partially detached, the disposal bag having an enlargening opening when released for enclosing the disposable pad after use for hygienic disposal.

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26.    A disposable pad according to claim 25 wherein the attachment of the first part is more frangible than the attachment of the second part to prevent accidental opening of the second part.

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27.    A disposable pad according to claim 25 or 26 wherein the backing strip extends along the length of the disposable pad and forms an elongated side part of the disposal bag.

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28.    A disposable pad according to any one of claims 25 to 27 wherein the concertina folded disposal bag has an inwardly folded top of the bag which in use can then be further pulled out to provide a larger volume bag for enveloping the disposable pad.

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